## Claims

[c1]	1. A method	comprising	the	steps	of:
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- (a) receiving location data corresponding to a plurality of probe-feature locations on a substrate;
- (b) storing the location data;
- (c) accessing the location data; and
- (d) scanning the substrate based, at least in part, on the accessed location data.
- [c2] 2. The method of claim 1, further comprising:
  (e) providing a first user interface that enables user specification of the probe feature locations.
- [c3] 3. The method of claim 2, further comprising:
  (f) providing a second user interface that enables user selection of the location data; and
  (g) accessing the location data based, at least in part, on the user selection.
- [c4] 4. The method of claim 2, wherein:
  the first user interface enables user specification of the probe-feature
  locations by specifying one or more spacing distances between probe
  features.
- [c5] 5. The method of claim 2, wherein:
  the first user interface enables user specification of the one or more probefeature locations by specifying one or more patterns of probe feature locations.
- [c6] 6. The method of claim 2, wherein:
  the first user interface enables user specification of the one or more probefeature locations by specifying coordinates.
- [c7] 7. The method of claim 6, wherein: the coordinates include x and y coordinates.

[c12]

[c8]	8. The method of claim $6$ , wherein:
	the coordinates include user-specified coordinates of a reference point on
	the substrate.
[c9]	9. The method of claim <u>6</u> , wherein:
	the coordinates include user-specified coordinates of one or more probe-

- the coordinates include user-specified coordinates of one or more probefeature locations on the substrate.
- [c10] 10. The method of claim 1, further comprising:(e) storing the location data in an array content file in memory of a first computer.
- [c11] 11. The method of claim 10, wherein: the first computer is constructed and adapted to control an arrayer.

12. The method of claim 11, further comprising:

- (f) transferring the location data from the first computer to a memory unit of a second computer;
  (g) providing a second user interface that enables user selection of the location data; and
  (h) accessing the location data from the memory of the second computer based, at least in part, on the user selection.
- [c13] 13. The method of claim 12, wherein: the second computer is constructed and adapted to control a scanner.
- [c14] 14. The method of claim 1, wherein:
  the probe-feature locations include locations of probes of a spotted array.
- [c15] 15. The method of claim 1, wherein:
  the probe-feature locations include locations of probes of a synthesized array.
- [c16]

  16. A method comprising the steps of:

  (a) accessing location data corresponding to a plurality of probe-feature locations on a substrate, wherein the location data is stored in memory of a

computer; and

(b) scanning the substrate based, at least in part, on the accessed location data.

- [c17] 17. A computer program product comprising:
  - (a) an arrayer manager application constructed and arranged to
    - (i) receive location data corresponding to a plurality of probe-feature locations on a substrate, and
    - (ii) store the location data; and
  - (b) a scanner control application constructed and arranged to
    - (i) access the location data, and
    - (ii) scan the substrate based, at least in part, on the accessed location data.
- [c18] 18. A computer program product, comprising:
  - (a) a user-interface manager that
    - (i) enables user specification of a plurality of probe-feature locations on a substrate, and
    - (ii) provides location data corresponding to the probe-feature locations;
  - (b) a data storage manager that stores the location data in a memory unit; and
  - (c) an output manager enabled to provide the location data to a scanner control application constructed and arranged to scan the substrate based, at least in part, on the accessed location data.
- [c19] 19. The computer program product of claim 18, wherein:
  the user interface manager enables user specification of the probe-feature locations by specifying one or more spacing distances between probe features.
- [c20] 20. The computer program product of claim 18, wherein:
  the user interface manager enables user specification of the one or more
  probe-feature locations by specifying one or more patterns of probe feature

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- [c21] 21. The computer program product of claim 18, wherein:
  the user interface manager enables user specification of the one or more probe-feature locations by specifying coordinates.
- [c22] 22. The computer program product of claim 21, wherein: the coordinates include x and y coordinates.
- [c23] 23. The computer program product of claim 21, wherein: the coordinates include user-specified coordinates of a reference point on the substrate.
- [c24] 24. The computer program product of claim 21, wherein:
  the coordinates include user-specified coordinates of one or more probefeature locations on the substrate.
- [c25] 25. The computer program product of claim 18, wherein: the data storage manager stores the location data in an array content file in memory of a computer.
- [c26] 26. The computer program product of claim 25, wherein: the computer is constructed and adapted to control an arrayer.
- [c27] 27. A computer program product, comprising:

   (a) a data retriever that accesses location data corresponding to a plurality of probe-feature locations on a substrate; and
   (b) a scan-area controller that controls scanning of the substrate based, at least in part, on the accessed location data.
- [c28] 28. The computer program product of claim 27, wherein: the location data is stored in a memory unit of a first computer.
- [c29] 29. The computer program product of claim 28, wherein: the first computer is constructed and adapted to control an arrayer.
- [c30] 30. The computer program product of claim 29, wherein:

the data retriever provides a user interface that enables user selection of the location data, and accesses the location data based, at least in part, on the user selection.

- [c31] 31. The computer program product of claim 30, wherein: the data retriever receives the location data from the first computer and stores the location data in memory of a second computer.
- [c32] 32. The computer program product of claim 31, wherein: the second computer is constructed and adapted to control a scanner.
- [c33] 33. The computer program product of claim <u>27</u>, wherein: the probe-feature locations include locations of probes of a spotted array.
- [c34] 34. The computer program product of claim <u>27</u>, wherein: the probe-feature locations include locations of probes of a synthesized array.
- [c35] 35. A scanning system, comprising:
  - (a) a scanner; and
  - (b) a computer program product, comprising
    - (i) a data retriever that accesses location data corresponding to a plurality of probe-feature locations on a substrate, and
    - (ii) a scan-area controller that controls scanning by the scanner of the substrate based, at least in part, on the accessed location data.
- [c36] 36. A scanning system, comprising:
  - (a) a computer;
  - (b) a scanner; and
  - (c) a computer program product that, when executed on the computer, performs a method comprising the steps of
    - (i) accessing location data corresponding to a plurality of probefeature locations on a substrate, and
    - (ii) controlling scanning by the scanner of the substrate based, at least in part, on the accessed location data.